

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: James Agutter
Dwayne R. Westenskow
Noah Syroid
Julio C. Bermudez
Yinqi Zhang

ASSIGNEE: University of Utah

SERIAL NUMBER: n/a

DATE FILED: n/a

TITLE: METHOD AND APPARATUS FOR MONITORING DYNAMIC
CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL
REPRESENTATIONS OF CRITICAL FUNCTIONS

ATTORNEY DOCKET: 4315 P

Assistant Commissioner for Patents
Box PATENT APPLICATION
Washington, DC 20231

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS

--INDEPENDENT INVENTOR--
(37 CFR 1.9(c), (f) and 1.27(b))

Honorable Assistant Commissioner:

As the below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR § 1.9(c) for the purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled **METHOD AND APPARATUS FOR MONITORING DYNAMIC CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS** described in a patent application filed herewith.

I have not assigned, granted, conveyed or licensed and I am not under any obligation under contract or law to assign, grant, convey or license any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR § 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR § 1.9(d) or a nonprofit organization under 37 CFR § 1.9(e).

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the due date on which status as a small entity is no longer appropriate. (37 CFR § 1.28(b)).

I hereby declare that all statements made herein are of my own knowledge and are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Signature of Inventor: _____

Name of Inventor: James Agutter

Date: _____

Signature of Inventor: _____

Name of Inventor: Dwayne R. Westenskow

Date: _____

Signature of Inventor: _____

Name of Inventor: Noah Syroid

Date: _____

Signature of Inventor: _____

Name of Inventor: Julio C. Bermudez

Date: _____


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Signature of Inventor: _____

Name of Inventor: Yinqi Zhang

Date: _____

At the time of filing this patent application, the inventors are unavailable for endorsing this form. However, the attorney submitting this application, Lloyd W. Sadler, Reg. No. 40,154, has been verbally assured that they qualify as independent inventors for small entity status. The applicant intends to file a properly endorsed statement (declaration) of independent inventors – small entity status upon receipt of a Notice of Missing Parts.



Lloyd W. Sadler (Reg. No. 40,154)

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INVENTORS:	James Agutter Dwayne R. Westenskow Noah Syroid Julio C. Bermudez Yinqi Zhang
ASSIGNEE:	University of Utah
SERIAL NUMBER:	n/a
DATE FILED:	n/a
TITLE:	METHOD AND APPARATUS FOR MONITORING DYNAMIC CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS
ATTORNEY DOCKET:	4315 P

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS

Honorable Assistant Commissioner:

☐ the owner of the small business concern identified below:

☒ an official of the small business concern identified below and that I am empowered to act on behalf of said corporation:

Salt Lake City, Utah 84108

[illegible]

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled **METHOD AND APPARATUS FOR MONITORING DYNAMIC CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS** by the above-named inventors described in

- ☒ the specification filed with this declaration.
- ☐ application Serial No. _____, filed _____.
- ☐ Patent No. _____, issued _____.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR § 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR § 1.9(d), or a nonprofit organization under 37 CFR § 1.9(e).

- ☐ no such person, concern or organization exists.
- ☒ each such person, concern or organization is listed below:

NAME: University of Utah Research Foundation
ADDRESS: 210 Park Building
Salt Lake City, Utah 84112

- ☐ INDIVIDUAL
☐ SMALL BUSINESS ENTITY
☒ NONPROFIT ORGANIZATION

I acknowledge the duty of the small business concern to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the due date on which status as a small entity is no longer appropriate. (37 CFR § 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any

I hereby declare that the above organization qualifies as a nonprofit organization as defined in 37 CFR § 1.9(f) and § 1.27(d) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code in that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR § 1.9(e).

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled **METHOD AND APPARATUS FOR MONITORING DYNAMIC CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS** by the above-named inventors described in

- ☒ the specification filed with this declaration.
- ☐ application Serial No. _____, filed _____.
- ☐ Patent No. _____, issued _____.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR § 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR § 1.9(d), or a nonprofit organization under 37 CFR § 1.9(e).

- ☒ no such person, concern or organization exists.
- ☐ each such person, concern or organization is listed below:

NAME: _____

ADDRESS: _____

- ☐ INDIVIDUAL
- ☐ SMALL BUSINESS ENTITY
- ☐ NONPROFIT ORGANIZATION

I acknowledge the duty of the small business concern to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the due date on which status as a small entity is no longer appropriate. (37 CFR § 1.28(b)).


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any

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TITLE OF PERSON SIGNING: _____

SIGNATURE: _____ DATE: _____

At the time of filing this patent application, no officials of the University of Utah Research Foundation were available for endorsing this form. However, the attorney submitting this application, Lloyd W. Sadler, Reg. No. 40,154, has been verbally assured that the University of Utah Research Foundation qualifies for small entity status as a non-profit entity. The applicant intends to file a properly endorsed statement (declaration) of independent inventors – small entity status upon receipt of a Notice of Missing Parts. The University of Utah intends to execute an assignment to the University of Utah Research Foundation of its rights to this patent application and any ensuing patent as soon as they are available for endorsing such an assignment.


Lloyd W. Sadler (Reg. No. 40,154)

Introduction

THE UNIVERSITY OF CHICAGO PRESS

Date: _____

Residence of inventor:

Post Office Address of inventor:

Inventor's Signature: _____

Date: _____

Residence of inventor:

Post Office Address of inventor:

Inventor's Signature: _____

THE **NEW** **YORK** **PUBLIC** **LIBRARY**

Residence of inventor:

Address: 402 University Village
City: Salt Lake City
State: Utah
Citizenship: People's Republic of China

Post Office Address of inventor:

Address: 402 University Village
City: Salt Lake City
State: Utah

Inventor's Signature: _____

Date: _____